United States Patent [19]

Lilja et al.

[11] **Patent Number: 4,907,606**

[45] **Date of Patent: Mar. 13, 1990**

[54] **TOBACCO COMPOSITIONS, METHOD AND DEVICE FOR RELEASING ESSENTIALLY PURE NICOTINE**

[75] Inventors: **Jan E. Lilja**, Kristianstad; **Sven E. L. Nilsson**, Helsingborg, both of Sweden

[73] Assignee: **AB Leo**, Helsingborg, Sweden

[21] Appl. No.: **148,701**

[22] Filed: **Jan. 26, 1988**

Related U.S. Application Data

[62] Division of Ser. No. 882,929, filed as PCT SE85/00424 on Oct. 29, 1985, published as WO86/02528 on May 9, 1986, Pat. No. 4,776,353.

[30] **Foreign Application Priority Data**

Nov. 1, 1984 [SE] Sweden 8405479

[51] **Int. Cl.**[4] **A24D 1/00; A24F 1/00**

[52] **U.S. Cl.** **131/273; 131/194**

[58] **Field of Search** 131/330, 329, 273, 270, 131/194, 198.1, 360

[56] **References Cited**

U.S. PATENT DOCUMENTS

2,104,266	1/1938	McCormick	131/330
2,972,557	2/1961	Toulmin, Jr.	
3,292,636	12/1966	Mays .	
4,141,369	2/1979	Burruss .	
4,149,548	4/1979	Bradshaw	131/273
4,219,032	8/1980	Tabatznik et al. .	
4,284,089	8/1981	Ray .	
4,303,083	12/1981	Burruss, Jr. .	
4,340,072	7/1982	Bolt .	
4,474,191	10/1984	Steiner	131/198.1
4,735,217	4/1988	Garth .	

FOREIGN PATENT DOCUMENTS

0155514	2/1985	European Pat. Off. .	
116941	1/1900	Fed. Rep. of Germany .	
2099824	3/1972	France .	
1116644	6/1968	United Kingdom .	
1185887	3/1970	United Kingdom	131/360
1316987	5/1973	United Kingdom .	

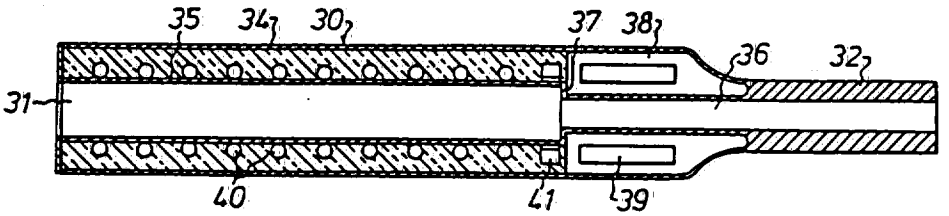
Primary Examiner—V. Millin

Attorney, Agent, or Firm—Gordon W. Hueschen

[57] **ABSTRACT**

Novel tobacco compositions which when subjected to an elevated temperature below the combustion temperature the tobacco liberates essentially pure nicotine. The invention also includes a method for liberating nicotine from the compositions and a device for carrying out the method.

9 Claims, 2 Drawing Sheets



(Duncan Pearlcee patent)

2021343274

Source: https://www.industrydocuments.ucsf.edu/docs/lfll0000